THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS: PROJECT DESCRIPTION Mr. Cedric Ward Assistant District Engineer - Traffic <u>GENERAL</u> Phone: 301-513-7498 THIS PROJECT INVOLVES THE INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS, COUNTDOWN PEDESTRIAN SIGNALS, ADA RAMP MODIFICATIONS, AND LED VEHICULAR Mr. Victor Grafton SIGNAL HEADS AT THE INTERSECTION OF MD 27 (RIDGE ROAD) AND BETHESDA District Utility Engineer Phone: 301-513-7350 CHURCH ROAD IN MONTGOMERY COUNTY. MD 27 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. Mr. Vernon Stinnett Assistant District Engineer - Maintenance Phone: 301-513-7304 INTERSECTION OPERATION THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULL TRAFFIC-ACTUATED MODE. THE ALTERNATIVE SIDE STREET AND CONCURRENT MAINLINE PEDESTRIAN PHASES AND MAINLINE EXCLUSIVE/PERMISSIVE LEFT TURN PHASING SHALL REMAIN. OFFICE OF TRAFFIC AND SAFETY: Mr. Richard L. Daff Sr. Chief, Traffic Operations Division Phone: 410-787-7630 CONTROLLER REQUIREMENTS THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN. THE MONTGOMERY COUNTY SIGNAL SHOP WILL INSTALL ONE (1) 2 WIRE CENTRAL CONTROL UNIT Mr. Robert Snyder Assistant Division Chief, Traffic Operations 410-787-7630 WITHIN THE CABINET. APS WILL FUNCTION AS FOLLOWS: Mr. Edward Rodenhizer Chief Signal Operations Phone: 410-787-7650 TO CROSS RIDGE ROAD A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS RIDGE AT BETHESDA CHURCH, WAIT". Mr.Eugene Bailey Chief Sign Operations 410-787-7670 B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE. MONTGOMERY COUNTY: TO CROSS BETHESDA CHURCH ROAD Mr. Kamal Hamud A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED Traffic Engineering 240-777-8761 TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS BETHESDA CHURCH AT RIDGE, WAIT". Mr. Bob Ricketts B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH Signal Shop 301-279-1975 WILL LAST FOR THE DURATION OF THE "WALK" PHASE. SPECIAL NOTES The Power Company is: 1. MONTGOMERY COUNTY SIGNAL SHOP SHALL INSTALL APS CONTROL UNIT INTO CONTROLLER CABINET. Pepco 8300 Old Marlboro Pike THE APS PUSH BUTTONS SHALL BE PROGRAMMED BY THE MANUFACTURER. Upper Mariboro, MD 20442 Phone: 301-961-5325 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. 3. ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY MONTGOMERY COUNTY FORCES. CONTACT KAMAL HAMUD AT (240) 777-8761 72 HOURS IN ADVANCE OF INTENDED WORK. WIRING DIAGRAM , A,B,C,D,O,F A,K,Q 🔪 MD 27 (NBR) J,K,O,P, EX, TRANSFORMER NO. 3708 F,G,H,J, EX. UNDERGROUND IC NORTH TO LEWIS DRIVE/LOCUST DRIVE E,F,G,H, **** A,B,M,N, J,K,M,N, O,P,Q O,P,Q A -NO. 6 AWG STRANDED BARE COPPER GROUND WIRE B - ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) HELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) L -USE EXISTING WIRING O - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) EPS - EXISTING POWER SOURCE STV Incorporated PROPOSED GROUND ROD - 3/4 IN. DIAMETER X IO FOOT LENGTH 7125 Ambassador Road, Suite 200 Baltimore, MD 21244 www.stvinc.com

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

PROPOSED SIGNAL EQUIPMENT

AND PAVEMENT MARKING LAYOUT

NOT TO SCALE

PHASE CHART

1 & 5 CHANGE TO PHASE 1 & 6 OR PHASE 2 & 5

∢G–/G

∢Y–⁄G

R

R

R

FL/Y

FL/Y

PHASE 1 & 5

PHASE 1 & 6

PHASE 1 CHANGE

PHASE 5 CHANGE

PHASE 2 & 5

PHASE 2 & 6

PED. CLEARANCE

PHASE 4 & 8

PHASE 2 & 6 CHANGE

PHASE 4 & 8 CHANGE

PHASE 4 & 8 ATL. CHANGE

PHASE 4 & 8 ALT.

PED CLEARANCE

FLASHING

OPERATION

MD 27 (SBR)

RYG

8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19

R R WK WK WK WK DW DW DW DW

R | R | FL/DW|FL/DW|FL/DW| DW | DW | DW | DW

g | g | dw | dw | dw | fl/dw|fl/dw|fl/dw

	ITEM NO	QUANTITY	DESCRIPTION
	9570	IIO SF	[UPDATED] SHEET ALUMINIUM GROUND MOUNTED SIGN
			13 EA - SI-I (30 IN. X 30 IN.)
		÷	13 EA - M6-2(MOD) (21 IN. X 15 IN.)
	9571	60 SF	[UPDATED] SHEET ALUMINIUM MAST ARM/POLE MOUNTED SIGN:
		•	4 EA - RIO-3(I) (9 IN. X I5 IN.) "PUSH BUTTON TO CROSS RIDGE ROAD"
		·	4 EA - RIO-3(I)(9 IN. X I5 IN.) "PUSH BUTTON TO CROSS BETHESDA CHURCH ROAD"
TOD 1	NO. VV2E4 2E		I EA - MI-5(6)(36 IN. × 72 IN.) "NORTH, MD 27, LEFT ARROW"
TOD NO: XX354-25 SHA NO: MO255A5A/K5A MD 27 @ Bethesda Church Road			$IEA - MI-5(6)(24 IN. \times 48 IN.)$ "NORTH, MD 27, RIGHT ARROW"
		IEA - MI-5(6)(36 ÎN. x 72 IN.) "SOUTH, MD 27, LEFT ARROW"	
			EA - MI-5(6)(24 IN. × 48 IN.) "South, MD 27, right arrow"

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

<u>EM NO</u>	QUANTITY	DESCRIPTION	
1003	2 EA	MAINTENANCE OF TRAFFIC	
2002	4 CY	TEST PIT EXCAVATION	
5003	1,800 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS	
5004	1 , 320 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	
5005	140 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	
6001	300 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH	
5002	3,000 SF	5 INCH CONCRETE SIDEWALK	
5003	108 SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS	
3001	35 EA	12 INCH LED SIGNAL HEAD SECTION	
3002	ΙEA	2-WIRE CENTRAL CONTROL UNIT	
3004	6 EA	8 INCH LED SIGNAL HEAD SECTION	
8008	8 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS	
3009	8 EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)	
3016	8 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD	
8024	I EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	
3036	165 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	
8037	IIO LF	WOOD SIGN SUPPORTS UP TO 4'X 6'	
8038	179 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	
8040	400 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	
8051	1,100 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	
8053	1,050 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	
8054	300 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)	
	8 EA	FURNISH AND INSTALL PAINTING OF NEW PEDESTAL POLE SIGNAL STRUCTURE - BROWN	

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 27 (RIDGE ROAD) AT BETHESDA CHURCH ROAD DAMASCUS, MD

DESCRIPTION

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE 01/2011 CONTRACT NO. XX3545168R <u>MONTGOMERY</u> DESIGNED BY CHECKED B F,A,P, NO. DRAWING **SG-02** OF 02 SHEET NO. 02 OF 02 TS NO. 3062D-GI

PLOTTED: Monday, January 10, 2011 AT 03:57 PM FILE: I:\projects\4014255\4014255_0092\Drawlngs\TRA\pSG-N002_MD27.dgn